(a) the number of proposals for setting up of new power projects in collaboration with private sector sent for approval by Tripura and Madhya Pradesh Governments to the Central Government upto 31st December, 1996;

(b) the cost of each project together-with the names of the places in the States where these projects will be set up;

(c) what will be the financial contribution of private sector as well as the State Government in each project;

(d) the details of the employment opportunities likely to be created through the said proposed projects; and

(e) the rate at which the power will be supplied togetherwith the conditions laid for inviting tenders?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM): (a) to (d) No proposal has been received for setting up private sector power projects in Tripura upto 31st December, 1996. The details of proposals received from Government of Madhya Pradesh for setting up of private sector power projects is indicated below:

Name of project	Cost in Rs. Crores as approved by CEA	Financial contribution in Rs. Crores from the private project developer	Place	Employment opportunity likely to be created
Guna CCPP	1079.39	323.8	Guna	480 Nos.
Korba East TPP	4690.00	1407.1	Korba East	800 Nos.
Korba West TPP	1766.88	530.1	Korba West	350—400 Nos.
Pench TPP	2183.58	655.1	Chounsara (Chhind-wara)	300 Nos.
Narsingpur CCPP	531.248	307.7	Narsingpur	130 Nos.
Maheshwar HEP	1569.27	383.0	Maheshwar	400 Nos.

There will be no financial contribution in the above projects from the State Government.

(e) The rate of sale of power by the above projects will depend upon the final completed cost and the conditions of the Power Purchase Agreements. These projects have been awarded on the MoU/ LoI route and not through invitation of tenders.

Power Loss due to Damaged and Faulty Transmission Lines

2382. SHRI RAHASBIHARI BARIK: Will the Minister of POWER be pleased to state:

(a) whether Government have taken any steps to deal with the loss of power occurring due to damage in transmission lines;

(b) if so, the details thereof;

(c) the name of the States where the system will be introduced;

(d) the cost thereof and the criteria fixed for the purchase;

(e) whether Government have also estimated the loss of power due to faulty transmission lines and distribution; and

(f) if so, the details thereof?

THE MINISTER OF POWER (SHRI R. KUMARAMANGALAM): (a) to (c) Damage to the transmission lines occurs due to the natural calamities. In respect of transmission lines owned and operated by Power Grid Corporation of India Ltd. (POWERGRID), regular preventive measures are undertaken to minimise risk of failures. The following specific measures are taken:

(i) Regular patrolling and rectification of defects;

(ii) Hot line maintenance; and

(iii) Carrying out maintenance of the circuit when power continues on the other circuit in double circuit transmission line.

In the eventuality of break down/ damage of lines, quick restoration of the lines are carried out. Emergency Restoration System are used in case of tower collapse which helps restoration of transmission lines within 5—7 days as against 3—4 weeks by conventional method.

The preventive maintenance of transmission lines in the State/UTs has to be carried out by the concerned SEB/Electricity Department.

(d) The expenditure of maintenance is met from the amount earmarked for Operation & Maintenance. Ten number of Emergency Restoration Systems (ERS) were procured by POWERGRID at a total cost of Rs. 37 crores. The ERS can be used in the event of natural calamity resulting in damage to the transmission line.

(e) and (f) The loss of power in transmission & distribution in the country for the period from 1991-92 to 1995-96 is given in the Statement.

Statement

Percentage Transformation, Transmission & Distribution Losses (Including Commercial Losses such as Pilferage etc.) in SEBS/EDS

Region/State Elecy. Board/Elecy. Deptt.	1991-92	1992-93	1993-94	1994-95	1995-96
NORTHERN REGION					
1. Haryana	26.79	26.78	25.00	30.80	32.39
2. Himachal Pradesh	20.37	19.51	18.31	18.21	16.09
3. Jammu & Kashmir	49.21	48.28	45.69	48.74	47.52
4. Punjab	21.52	19.24	19.37	16.70	18.49
5. Rajasthan	23.11	22.74	25.00	24.78	29.27
6. Uttar Pradesh	26.06	24.43	24.08	21.69	21.84
7. Chandigarh	29.64	26.21	27.27	28.44	33.72
8. D.E.S.U.	24.35	23.56	31.79	34.56	48.57
WESTERN REGION					
1. Gujarat	23.56	22.03	20.34	20.02	20.08
2. Madhya Pradesh	25.08	21.35	20.26	19.61	17.84
3. Maharashtra	18.40	17.83	16.22	16.33	16.95

Region/State Elecy. Board/Elecy. Deptt.	1991-92	1992-93	1993-94	1994-95	1995-96
4. D & N Haveli	19.66	17.98	12.64	11.35	9.31
5. Goa	23.78	21.85	24.50	26.87	26.06
6. Daman & Diu	15.90	15.67	22.34	16.30	12.80
SOUTHERN REGION					
1. Andhra Pradesh	19.70	19.88	19.91	17.95	19.34
2. Karnataka	19.88	19.55	19.55	19.41	19.06
3. Kerala	21.67	21.95	20.00	20.05	21.12
4. Tamil Nadu	18.63	17.50	17.18	17.11	16.19
5. Lakshadweep Island	17.43	18.72	16.99	17.84	17.23
6. Pondicherry	18.00	15.31	15.80	15.00	16.54
EASTERN REGION					
1. Bihar	23.19	22.00	20.35	19.76	15.91
2. Orissa	24.65	25.25	22.43	23.03	24.17
3. Sikkim	25.89	22.55	22.60	21.22	16.47
4. West Bengal	22.26	24.87	20.82	21.51	19.26
5. A & N Isls.	21.66	23.62	23.71	22.38	19.25
NORTH-EASTERN REGION					
1. Assam	21.76	21.41	22.44	24.18	26.91
2. Manipur	24.43	22.35	23.92	25.30	24.85
3. Meghalaya	11.49	11.79	18.03	18.47	12.55
4. Nagaland	23.14	27.26	33.45	36.12	35.17
5. Tripura	31.96	30.64	30.53	31.96	30.86
6. Arunachal Pradesh	28.20	32.32	42.04	45.30	37.12
7. Mizoram	34.95	29.04	31.89	29.76	25.18
ALL INDIA (UTILITIES)	22.83	21.80	21.41	21.13	22.27

गांवों का विद्युतीकरण

2383. **श्री ओंकार सिंह लखावतः** क्या **विद्युत** मंत्री यह बताने की कृपा करेंगे किः

(क) देश के ग्रामीण क्षेत्र में विद्युतीकृत हो चुके गांवों में कितने प्रतिशत घरों में बिजली है और इनका राज्य-वार ब्यौरा क्या है;

(ख) राजस्थान के गांवों में कुओं/ट्यूबवैलों को विद्युतीकृत करने का कितना प्रतिशत लक्ष्य प्राप्त किया गया; और

(ग) क्या ग्रामीण विद्युत निगम के पास राजस्थान के ग्रामीण क्षेत्रों में कुओं/ट्यूबवैलों के विद्युतीकरण के लक्ष्य को प्राप्त करने हेतु सहायता/ऋण देने का प्रस्ताव 1998-99 वर्ष हेतु विचाराधीन है?

विद्युत मंत्री (श्री रंगराजन कुमारमंगलम): (क) वर्ष 1991 की जनगणना के अनुसार देश में 31.10% ग्रामीण परिवारों (जम्मू व कश्मीर राज्य को छोड़कर जिसके संबंध में आंकड़े उपलब्ध नहीं हैं) के पास बिजली उपलब्ध है। राज्यवार स्थिति विवरण में दी गई है। **(नीचे देखिए)**

(ख) केन्द्रीय विद्युत प्राधिकरण ने सूचना प्रदान की है कि राजस्थान में 600000 कृषिय विद्युत पंपसेटों के ऊर्जन के लिए अनुमानित ईष्टतम भूजल शक्यता की तुलना में 569603 पंपसेटों का अप्रैल, 98 तक ऊर्जन किया जा चुका है। जो कि ईष्टतम शक्यता का 94.93% है।

(ग) जी, हां।